WORLD INTELLECTUAL PROPERTY ORGANIZATION

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENTY ODJERATION TREATY (PCT)

(51) International Patent Classification 7: (11) International Publication Number: B31F 1/00 AΊ

WO 00/54966

(43) International Publication Date: 21 September 2000 (21.09.00)

(21) International Application Number:

PCT/F100/00205

(22) International Filing Date:

15 March 2000 (15.03.00)

(30) Priority Deta:

990561

15 March 1999 (15.03,99)

FI

(71) Applicant (for all designated States except US): MAPING KY. L. HUOTARI [FI/FI]; Atomitie 5 F, PIN-00370 Helsinki

(72) Inventors; and

- (75) Inventors/Applicants (for US only): HUOTARI, Lauri [FI/FI]; Tamminantie 2 B 13, FIN-02940 Espao (FI). HUCTARI, Lisakki [FVFI]; Rumeberginkatu 55 b A 29, FIN-00260 Helsinki (FI). HUOTARI, Jaakho [FI/FI]; Porvarinkoja 1 K 38, FIN-00750 Helsinki (FI). SIIKAMAKI, Mańku [FI/FI]; Mirjankuja 2 E 26, FIN-02230 Espeo (FI). GUT, Henryk [PL/PL]; Czereka 15/59, PL-00-732 Warszawa (PL).
- (74) Agent: LAITINEN, Pauli, S.: Patentti-Laitinen OY, P.O. Box 29, FIN-02771 Espoo (FI).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE ES, FL, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, IP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IR, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BI, CF, CG, CI, CM, GA. GN, GW, ML, MR, NE, SN, TD, TG).

Published

With international search report.

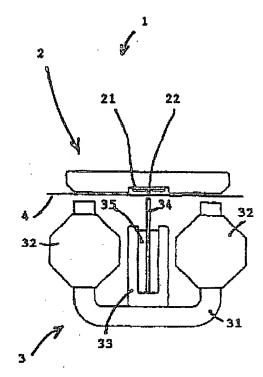
Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

In English translation (filed in Finnish).

(54) THE: METHOD AND DEVICE FOR WORKING PAPER, BOARD, OR SIMILAR

(57) Abstract

The invention relates to a method and device for working paper, board, or similar, in which method scoring, punching, perforation, or a similar operation is performed on the aforesaid material. The force for carrying out the work is created by means of an electromagnet (3). Scoring, for example, can be carried out by putting the paper (4) or similar between a scoring blade (34) and its counter-piece (21) and causing a rapid approaching movement between them, to carry out the secring.



#330-2-034300



FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

| | | _ | | | the state of the state of the | | FF |
|----------------|--------------------------|------|-----------------------|------|-------------------------------|-----------|--------------------------|
| AL | Albaria | ¥\$ | Spain | LS | Lesotto | 91 | Slovesia |
| AM | Ameria | FI | Finland | LT | Lithuania | SK | Slovekia |
| AT | Acecria. | FR | ਜ਼ਿਹਾਨ | LD | Lozenburg | SN | Desire gal |
| AU | Aucualis | GA. | Gation | LV | Latvia | 5Z | Sweetland |
| ΑZ | Azerduńjan | GB | Unkte Kingdom | MC | Монасо | TD | Chad |
| BA | Bossia and Kennegovinea | CE | Georgia | 1/2D | Republic of Molfova | 7G | Togo |
| BB | Barbados | GĦ | Chara | MC | Modegoscar | T) | Thijkinan |
| BE | Belgium | GN | Guioen | MK | The farmer Yugoslav | TM | Tinkamairean |
| B2 | Surkina Foso | GR | Greece. | | Republic of Maccionia | T2 | Turkey |
| BĞ | Bulgaria | HU | Pengary | MIL | Rali | TT | Trinsdad and Tokago |
| r. | Beuin | IK | Ireland | DABA | Mongolia | UA | Ukraina |
| RR. | Heapel | TL. | रे दर कर ी | MIR | Mauritania | UG | Ilganda |
| ЭГY, | Behrus | 19 | Textend | MW | Malawi | CIS | United Suspes of America |
| CA | Casada | 13 | lisly | MX | Mexico | 02 | Uzbekistan |
| C _F | Control African Republic | JP. | Japan | MP. | ਮਿੰਫ਼ਤ | YN | Viet Nam |
| CG | Congo | KR | Капуа | NL | Netherlands | YU | Vugoslavia |
| Ca | \$witterland | RG | Kyrgyssan | NO | Norway | ZW | Zimbsbez |
| CI. | Côm d'iveite | KOP- | Democratic People's | WZ | New Zesiand | | |
| CM | Canavas | | Republic of Korea | PL | Poland | | |
| CN | China | KR | Republic of Korea | PT | Pertugal | | |
| CO | Cuha | PCZ. | Kazakutea | BC | Romania | | |
| CZ. | Crack Republic | LC | Saint Lucia | RU | Russian Federation | | |
| D 8 | Germany | LI | Lizchtenstein | 830 | ್ಷಣಕ್ಕೆ ಮು | | |
| DEC | Denmark | LIC | Sri Lanks | 52 | Sweden | | |
| er. | Estonia | LR | Liberia | 5G | Singapore | | |

INTERNATIONAL SEARCH REPORT information on patent family members

್ತಿ ೨೩೨೮೮

International application No. PCT/FI 00/00205

| | ent decement | | Publication date | | | Publication date | |
|----|--------------|----|---------------------|-----|----------|---------------------|----------|
| | 5617785 | A | 08/04/97 | NON | E | | |
| EP | | A1 | 13/01/99 | IT | SV970036 | A | 11/01/99 |

Form PCT/ISA/210 (parent family 2002) (July 1992)